

General Catalog of

TANGIBLE APPARATUS

1 9 5 9

**ALL PRICES IN THIS CATALOG ARE SUBJECT TO CHANGE
WITHOUT NOTICE**

**AMERICAN PRINTING HOUSE FOR THE BLIND
1839 Frankfort Avenue
Louisville, Ky.**

General List of Tangible Apparatus

Note: Special descriptive brochures are included in this folder which give complete information on those items of tangible apparatus marked with an asterisk (*).

KINDERGARTEN

	Price	U. S. Postage
* Braille Clockface (to teach reading time). (7 $\frac{3}{8}$ " diameter x 1"; metal face, with movable hands with gears without motor or other driving mechanism; mounted in round black plastic frame 7" in diameter x 1" thick; 12 numbers for hours embossed on inside rim of plastic case next to metal face in both Braille and $\frac{3}{4}$ " high Arabic numerals) Each	\$ 2.50 +	\$0.07
* Braille Clockface Sheets (blank, circular clockfaces, containing numbers of hours in Braille but no hands; embossed 4 to page on 11" x 11 $\frac{1}{2}$ manila sheets):		
Package of 5 Postpaid		.20
Package of 100 Postpaid		3.10
* Constructo Set No. 1 (Wooden Constructo Set consisting of 101 pieces of hard wood and wooden bolts to be used as an erector set). (Packed in wooden storage box) Sold in complete sets only	42.00 +	.75
* Peg Board with Pegs (New Style):		
* Semi-rigid Vinyl Type Frame (See APH Cubarithm Arithmetic Slate below) Frame only	2.00 +	.12
* Plastic Pegs (5/16" x 5/16" x 7/8"; hard blue vinyl plastic) Per 150	1.50 +	.11
Squares of Cardboard Perforated for Sewing Each	.03 +	.01
Squares of Cardboard Lined Off in Inch Squares for Parquetry Paper Work Each	.03 +	.01

MATHEMATICS

*Arithmetic Type Slates:

*A.P.H. Cubarithm Arithmetic Slate with Type:

* Semi-rigid Vinyl Type Frame (employing Braille cubes; can also be used with 24-point Copperplate Gothic Type, and as a peg board with plastic pegs). (8 $\frac{1}{2}$ " x 7"; 16 x 16 cells, $\frac{5}{8}$ " x $\frac{5}{8}$ "; red color) Frame only	2.00 +	.12
* Braille Type Cubes (minimum type for each frame, 150 cubes). Cubes 5/16" x 5/16" x 5/16"; hard yellow vinyl plastic Per set	2.50 +	.11
* 24-point Copperplate Gothic Type (minimum type for each frame, 15 sets each Arabic numerals from 1 to 9 and 0—150 type, 5/16" x 5/16" x 7/8"; hard yellow vinyl plastic) Per set	2.50 +	.11

*Brannan Cubarithm Arithmetic Slate with Cubes:

* Rigid Phenolic Type Frame (employing Braille cubes). (8 $\frac{3}{4}$ " x 9"; 16 x 16 cells, $\frac{1}{2}$ " x $\frac{1}{2}$ "; black color) ...Frame only	1.50 +	.12
* Brannan Braille Type Cubes (minimum set of cubes for each frame, 100 cubes). Cubes $\frac{3}{8}$ " x $\frac{3}{8}$ " x $\frac{3}{8}$ "; hard black phenolic plastic) Per set	2.00 +	.11

*Taylor Arithmetic Type Slate with Type:

* Taylor Slate (bright green aluminum; 12" x 7 $\frac{1}{2}$ " x $\frac{5}{8}$ "; 24 x 18 cells—six sided) Frame only	5.50 +	.11						
* Taylor Arithmetic Type (minimum type for each frame, 225 pieces, 3/16" x 3/16" x 11/16"): <table> <tr> <td> Hard yellow vinyl plastic type.....Per set</td><td>3.00 +</td><td>.12</td></tr> <tr> <td> Lead metal type Per set</td><td>4.00 +</td><td>.12</td></tr> </table>	Hard yellow vinyl plastic type.....Per set	3.00 +	.12	Lead metal type Per set	4.00 +	.12		
Hard yellow vinyl plastic type.....Per set	3.00 +	.12						
Lead metal type Per set	4.00 +	.12						

MATHEMATICS

	Price	U. S. Postage
*Texas Arithmetic Type Slate with Type:		
*Texas Slate (natural colored wood; $8\frac{1}{2}'' \times 12\frac{3}{8}'' \times 1''$; 20 x 30 cells, $5/16'' \times 5/16''$) Frame only	7.50 +	.12
*Philadelphia Great Primer Type (minimum type for each frame, 15 sets each Arabic numerals from 1 to 9 and 0—150 type, $7/32'' \times 7/32'' \times 5/8''$; lead type) Per set	4.50 +	.12
Graph Sheets ($9'' \times 12''$; 16 squares x 22 squares, each square $\frac{1}{2}''$; printed on white Braille paper) Per 100	1.50 +	.12
*Graphic Aid for Mathematics (for the construction of mathematical figures and graphs). (Board $18'' \times 19'' \times 1''$, accompanied by a set of 3 flat spring wires, 14 plastic-headed push-pins and a supply of rubber bands) Sold in complete sets only	12.50 +	.15
*Hoff Aid (upward-writing slate, with stylus, designed primarily for use in making mathematical calculations on paper). (Slate, $9\frac{1}{4}'' \times 2\frac{1}{8}'' \times 1''$; hinged metal line index paperfeed, $9\frac{1}{4}'' \times \frac{1}{2}''$; stylus, regulation size. Slate provides for 16 Braille lines, 30 cells to line, with maximum paper size of $8\frac{1}{2}'' \times 9\frac{1}{2}''$) Sold in complete sets only	15.00 +	.16
*Imout Game (educational game designed to give drill in the recognition of fractions of equal value; various parts printed in both Braille and large type so can be used by blind and partially visioned children). (Set consists of 20 cards, $6'' \times 9\frac{1}{2}''$, plus 150 "call numbers," plus approximately 120 pegs, plus box for holding "call numbers"). Packed in large cardboard box with instructions for playing. Per set	5.75 +	.17
*Kine Mltply Vizr (designed for teaching multiplication tables, squares and cubes through No. 12). ($11'' \times 11''$)	2.00 +	.12
*Mitchell Wire Forms with Matched Planes and Volumes (set of 15 solids, 11 planes, and 24 wire frames designed to illustrate the volumes, planes and outline forms commonly found in geometric problems, with corresponding figures in all three forms built to the same scale—cube is $3'' \times 3'' \times 3''$). (Volumes made of hard wood, brightly painted in colors corresponding to those of their respective planes; wire outlines fabricated from $\frac{1}{8}''$ cadmium-plated steel wire) Sold in complete sets only	35.00 +	.47

MUSIC

*Beetz Notation-Graph (cloth-covered cork board, $19\frac{1}{2}'' \times 14\frac{1}{2}''$, showing model of ink-print grand staff with 125 removable characters) Complete with Carrying Case	75.00 +	.40
*Music Rack for Partially Visioned (designed to fit any upright piano, adjustable as to height, forward and back position and tilt, so that ink-print music can be placed at the correct eye level and focal vision point of the user) Plus parcel post and insurance on 5 lbs. additional Each	5.50	

WRITING DEVICES

*Braille Slates (.090'' x .090'' x .250'' x .400'' spacing). One stylus is included with each slate:		
*Correcting Slate , 4 line, 37 cell (made of nickel alloy)	2.10 +	.11
*Desk Slate (large size) , 4 line, 37 cell (made of nickel alloy)	4.10 +	.13
*Desk Slate (small size) , 4 line, 27 cell (made of nickel alloy)	3.25 +	.12
*Pocket Slate , 4 line, 28 cell (made of aluminum in various colors or nickel alloy)	2.00 +	.11

WRITING DEVICES

	Price	U. S. Postage
* Brown Slate , 4 line, 28 cell (made of brown aluminum; a refinement of regulation pocket slate to which has been added an extra frame to hold the pins for mounting paper to make possible dropping open the bottom part of guide in order to read what has been written without taking paper out of slate itself)	2.80 +	.11
* Postcard Slate , 4 line, 19 cell (made of dark blue aluminum)	1.65 +	.11
* Erasers (hard maple, natural finish, 2½" long, with handle knob same size and shape of large stylus handle, rounded tip) :		
Each	.10	
Postpaid		
Per dozen	1.00	
* New Hall Braillewriter (machine 17" x 10" x 5½" over-all size, weight 18¼ lbs.; maximum page 11½" wide, permitting the writing of 25 lines, 41 cells, on a 11" page; carrying case furnished with each machine)	60.00 +	.60
* Perkins Brailers (machine 15½" x 9" x 5¾" over-all in size, weighing 10 lbs.; maximum page size 11½" wide x 14" long, permitting the writing of 25 lines, 41 cells on a 11" page; dust cover furnished with each machine.	90.00 +	.47
Script Letter Sheets (raised). Embossed on white Braille paper.	.03 +	.01
* Styli (one stylus is included with each slate; 2 sizes of handles, regular for adults and small for young children)	.12 +	.01
Each		
Per Dozen	1.25 +	.11

SPELLING

* Spelling Frames with Words:		
* Frame (magnesium, 5" x 9", 5 lines)	Each	1.00 + .11
* Words (taken from "Unit Card Set" to accompany "Basic Reading Series"). 158 words per set, Braille grade 2.	Per Set	1.00 + .11

PAPER

* Transcribing Braille Paper (100 lb. manila, 11" x 11½" only). Packaged in ream lots of 500 sheets, although can be supplied in any multiple of 500 sheets. Not available on quota accounts. . Per ream, postpaid	3.00	
* Plain Braille Paper (standard weight, brown magazine paper, cut in sizes 8" x 12", 9" x 12", 10" x 12", and 11" x 11" only). Packaged in units of 4 pounds although can be supplied in any multiple of 4 pounds. Not available on quota accounts. (45-55 sheets comprise one pound, depending on paper size) Per package, including postage	1.00	
* Braille Notebooks with Punched Braille Paper Fillers:		
* Braille Notebooks (to fit standard Braille paper sizes noted below; 3 rings each 1½" diameter; heavy imitation leather covered board covers). Any size.	Each	2.00 + .14
* Punched Braille Paper Fillers (standard weight, brown magazine paper, cut in sizes 8" x 12", 9" x 12", 10" x 12", and 11" x 11"; punched with 3 holes in left-hand margin to fit notebook covers). Packaged in units of 3 pounds, approximately 45-55 sheets per pound, depending on paper size.	Per package, including postage	1.00
* Embossed Pencil-writing Paper (white Braille paper, embossed with heavy guide lines ½ apart, padded, sheets 10¼" x 8¾")	Per 165 sheets, including postage	1.00
* Large-type Writing Paper (buff-colored paper, printed with heavy green either long or short way of paper. (Approximately 60 sheets to a pound).	Postage additional as below. Per lb.	.35
Zones	1 2 3 4 5 6 7 8	
Postage	.27 .27 .29 .31 .36 .40 .46 .51	

GLOBES, PLAQUES, MAPS

(Shipping costs always in addition to prices quoted unless noted; shipment to be made either by freight or express)

	Price	U. S. Postage
*Relief Globes and Plaques:		
*Floor Pedestal Globe (30" in diameter, over-all height of 51"; hollow-plastic construction painted in contrasting blue and yellow to highlight sea and land areas, with brown stippling for mountainous areas; raised latitude and longitude lines; mounted on sturdy metal base which provides for easy revolving on a correctly-angled axis)		
	Shipping charges additional	225.00
*Table-Model Globes:		
*Panoramic Model Globe (12" in diameter; lightweight, hollow-plastic construction painted in contrasting blue and yellow to highlight sea and land areas, with brown stippling for mountainous areas; full relief, plus raised latitude and longitude lines, with indented line for Equator; elevation exaggerated 32 to 1 in comparison with horizontal distances; separate aluminum cup-shaped base)		
	Postpaid	11.50
*Geo-Physical Model Globe (12" in diameter; lightweight, hollow-plastic construction painted in contrasting blue and yellow to highlight sea and land areas, with brown stippling for mountainous areas; full relief, plus raised latitude and longitude lines, with thin lip at Equator 1/2" wide; elevations exaggerated 50 to 1 in comparison with horizontal distances; separate metal tripod base)		
	Postpaid	14.50
*Plaques (thin plastic film reproductions of large floor globe; 7 separate plaques, including North America, South America, Europe, Africa, Asia, Australia and the East Indies, and the North Arctic Regions)		
	Each	5.75 + .16
*Plaque or Globe Kits (thin, plastic Braille strips giving names of major oceans; gummed on back for sticking to globe or plaque, ...		
	Per set	.50 + .01
*Maps:		
*Desk Maps of the United States:		
*Plastic, Undissected, Relief (21 1/2" x 15 3/4"; vacuum-formed rubber-modified styrene; full relief; elevations exaggerated 20 to 1 in comparison with horizontal distances) :		
Unpainted white	Postpaid, each	2.50
Painted in contrasting colors, blue for water areas, yellow for land surfaces, light brown stippling of mountainous elevations	Postpaid, each	3.50
*Braille Outline (20 1/2" x 13 3/4"; printed on white Braille paper; simple outline map showing only borders of the U. S. and individual states)		
	Postpaid, package of 10	.80
*Large Type Outline (20 1/2" x 13 3/4"; printed in black ink on regular buff antique-finish paper; simple outline map showing only borders of the U. S. and individual states)		
	Plus parcel post on 2 lbs., package of 10	.80
*Storage Folders (22" x 16" x 5/8"; heavy cardboard, hinged with imitation leather cloth, reinforced corners)		
	Postpaid, each	1.40
*Hard-rubber, Molded, Dissected, Relief Map—United States (only) ; (similar to wooden relief map with latitude and longitude lines with Braille identifications in margins; 19 1/4" x 31 1/4")		
		135.00

*Panoramic Studios
6122 N. 21st St.
Phil. Pa.*

Only to classes for blind

Hand ref

GLOBES, PLAQUES, MAPS

	Price	U. S. Postage
* Dissected Wooden Relief Maps (states or countries enameled in various colors; large cities and capitals indicated by different kinds of nail heads) :		
Africa —(38" x 47")	330.00	
Asia —(42" x 47")	330.00	
Australia and the Phillippines (37½" x 37½")	240.00	
Europe —(36" x 42")	270.00	
North America —(38" x 47")	330.00	
South America —(38" x 51")	270.00	
United States —(28" x 48") (plastic model only)	280.00	
* Dissected Wooden Maps (no relief; solid colors). (These maps are suggested for use as puzzle maps for recreation and general use) :		
Africa —(38" x 47")	155.00	
Asia —(42" x 47")	180.00	
Europe —(38" x 47")	180.00	
North America —(38" x 47")	155.00	
South America —(38" x 51")	155.00	
United States —(30" x 48")	155.00	
* Easels (for holding dissected maps in upright position). (Of heavy wooden construction; specify map with which they are to be used when ordering, to obtain proper size)		
	25.00	

For **special wooden dissected state maps**, write to the American Printing House for the Blind for further information.

TALKING BOOKS

Albums (designed to fit standard 12" Talking Book records only). **Shipping charges in all cases are additional:**

4-record album.....	\$1.10	9-record album.....	\$1.45
5-record album.....	1.15	10-record album.....	1.50
6-record album.....	1.20	11-record album.....	1.55
7-record album.....	1.30	12-record album.....	1.60
8-record album.....	1.35	13-record album.....	1.65

Containers (Standard black fibreboard containers to fit regulation Talking Book records) :

Circulation Container (fitted with straps, windows, padding, mailing legend, etc. Shipping charges additional	Per container	2.00
Storage Containers (no hardware, straps, etc.) Shipping charges additional	Per container	1.20
Special (other than regulation size)	Per container	2.35

***Reproducers—Model L-8** (electrically-driven reproducer, geared for 3 speeds—33-1/3, 45 and 75 r.p.m.; dual sapphire needle cartridge which will play both old type wide-groove records and new micro-groove records; table model; speaker located in removable cover). **Shipping charges additional, express only**

60.00

Earphones (write for information on style and price).